

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/084715 A3

(51) International Patent Classification:

A61K 47/48 (2006.01) A61K 51/04 (2006.01)
A61K 49/00 (2006.01)

(21) International Application Number:

PCT/NO2005/000078

(22) International Filing Date: 3 March 2005 (03.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20040953 4 March 2004 (04.03.2004) NO

(71) Applicant (for all designated States except US): AMER-
SHAM HEALTH AS [NO/NO]; Intellectual Property
Dept., P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401
Oslo (NO).

(72) Inventor; and

(75) Inventor/Applicant (for US only): LØVHAUG, Dagfinn
[NO/NO]; Amersham Health AS, P.O. Box 4220 Nydalen,
Nycoveien 1-2, N-0401 Oslo (NO).

(74) Agents: THORESEN, Liv-Heidi et al.; Amersham Health
AS, P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401 Oslo
(NO).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
15 June 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CONJUGATES OF ANGIOTENSIN PEPTIDIC ANALOGUES AND CHELATING AGENTS FOR DIAGNOSIS
AND THERAPY

(57) Abstract: A pharmaceutical of the general formula Z-(L)_n-V, wherein V denotes an amino acid sequence X¹-X²-Val-Tyr-Ile-
His-Pro-X⁸-X⁹-X¹⁰; L denotes a bond or a linker; Z denotes a group that optionally can carry an imaging moiety M; X¹ denotes an
amino acid; X² denotes Arg or N-alkylated Arg or a mimetic of Arg; X⁸, X⁹ and X¹⁰ constitute an ACE cleavage site; Z forms a
bond with the amino acid X¹ optionally through the linker L; and M where denotes an imageable moiety capable of detection either
directly or indirectly in a diagnostic imaging procedure.

WO 2005/084715 A3